0133

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
			100.00	0.44	100.00	0.87	99.99	1.31	89
0			99.98	2.18	99.97	2.62	99.95	3.05	88
1	99.98	1.75	99.92	3.93	99.91	4.36	99.88	4.80	87
2	99.94	3.49	99.84	5.67	99.81	6.10	99.79	6.54	86
3	99.86	5.23	99.73	7.41	99.69	7.85	99.66	8.28	85
4	99.76	6.98	99.58	9.15	99.54	9.58	99.50	10.02	84
5	99.62	8.72	99.41	10.89	99.36	11.32	99.31	11.75	83
6	99.45	10.45	99.20	12.62	99.14	13.05	99.09	13.49	82
7	99.25	12.19	98.97	14.35	98.90	14.78	98.84	15.21	81
8	99.03	13.92	98.70	16.07	98.63	16.50	98.56	16.93	80
9	98.77	15.64	98.40	17.79	98.33	18.22	98.25	18.65	79
10	98.48	17.36							
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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50372

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LEVEL BOOK

COMMUNI CONSENSU PRIMO

No. 403

MANUFACTURED BY

H. S. CROCKER CO.

SAN FRANCISCO AND SACRAMENTO
CALIFORNIA

0134

Contents.

	Page
Equation of Levels on River Gauge on Alex Brown's Wharf opp "E" 1436+ Walnut Grove.	3-4
Gauge Reading of Back Water of Mokelumne River 1911 at Stations "D" 885+ "D" 1013+ "T" 1158+	18
Summary of High Water Elevations - Jan. 12 to Jan. 31, 1909.	1
Gauge Reading of Back Water, 1909, Opp. Sta. T 1158 + D 930	5-7
High Water Elevations on Georgiana Slough - Jan. 27, 1909.	9-12
" " " Level Notes for same, Jan-Feb. 1909	13-17

0135

Summary of high water elevations January 13 to January 31 Flood of 1909

Elev.	Opposite Sta. Back Water	Date	Remarks		See Page	
11.2	At D930	Jan 17, 1909	Gage Head		See Page	7
11.0	At T1158	" 23 "	" "		" "	8
	Sacramento River					
19.7	At E683	Jan 19 1909	In front of	Johnston Dairy house	" "	15
19.1	At D748	" 19 1909	At Common's	Wharf house	" "	16
18.8	At D798	" 19 1909	At property line	between Hallister and Ralston	" "	16
18.3	At D700+50	" 19 1909	Courtland Gage	Reading — corrected —	" "	17
17.85	At D840+50	" 19 1909	Opposite Steam	Boat Slough	" "	14
17.55	At D1020	" 19 1909	In front of	Mrs. Runyon's Residence	" "	14
17.3	At D1049	" 19 1909	Below Vorden		" "	13
16.95	At T1155	" 19, 1909	Opposite North	Force Geo. Locke's Est.	" "	13
16.95	At T1176	" 19, 1909	" South	" " " "	" "	13
16.6	At E1486	" 19 1909	Walnut Grove Gage	Reading	" "	3rd 4
16.2	Georgiana Slough At E1455	" 21 1909	In front of Spurck	Dyes Residence	" "	9
16.0	At E1462	" 21 "	" " " Dorford	Mill	" "	9
15.6	At E1494	" 21 "	North of R.W. Clarke	Levee house	" "	10
15.0	At E1500	" 21 "	In front of Mrs. Hight	Tap house	" "	10
13.8	At E1549	" 21 "	" " " the Dorford	Residence	" "	11
11.3	At E1650	" 21 "	Opposite Rivers Island	Pump house	" "	11
9.2	At E1769	" 21 "	Approximate location	where Sacramento		
			Southern R.R. crosses	Georgiana Slough	" "	12

0136

Elev. 0.000 Gauge at Walnut Grove opp E 14,36+

Elev. 0.000 S.S.R.R. Datum

opposite E 14,36 - on Alex Browns Wharf

0.0 Sacramento Southern Elev

+ 0.526 Gage Reading

Gage Readings WALNUT GROVE

1909	Gage	Time	Sac. Southern Elevations
Jan 12.	7.6	at 7.30 A.M.	7.1
" 13.	9.2	" 7.30 A.M.	8.7
	9.4	" 9.30 A.M.	8.9
	9.7	" 12.30 A.M.	9.2
	9.9	" 3.30 P.M.	9.4
" 14	10.5	" 7.30 A.M.	10.0
	11.3	" 12 - M.	10.8
" 15.	11.2	" 12 - M.	10.7
	12.6	" 6 - P.M.	12.1
" 16	13.2	" 7.30 A.M.	12.7
	12.4	" 9.30 A.M.	12.9
	13.7	12.30 M.	13.2
" 17	13.5	12 M	13.2
" 18	15.5	7 - A.M.	15.0
	16.2	1 - P.M.	15.7
	16.4	4 - P.M.	15.9
	16.1	5 - P.M.	15.6
" 19	16.5	7 A.M.	16.0
"	17.1	12 M	16.6 Highest
	17.1	6 P.M.	16.6 "

1909	Elev.		Sac. Southern Elevation
Jan 20.	17.0	7 - A.M.	16.5
	17.0	9 - A.M.	16.5
	16.6	5 - P.M.	16.1
Jan 21.	16.7	6 A.M.	16.2
	17.0	5 - P.M.	16.5
	16.7	7 - P.M.	16.4
" 22.	16.6	6 - A.M.	16.3
	16.6	12 "	16.3
	16.7	6 P.M.	16.3
" 23.	16.7	5 A.M.	16.3
	16.5	12 M.	16.2
	16.7	6 P.M.	16.4
" 24.	16.4	6 A.M.	15.9
	16.3	12 M.	15.8
	16.1	6 P.M.	15.6
" 25	15.5	6 A.M.	15.0
	15.4	12 M.	14.9
	15.4	6 P.M.	14.9
" 26	15.0	6 A.M.	14.5
	15.2	12 M	14.7
	15.1	6 P.M.	14.6

0137

Gage Readings at Walnut Grove continued from page 5.

1909	Gage	Time	Sac Southern Elevations
Jan 27	15.0	at 6 A.M.	14.5
"	14.8	at 6 P.M.	14.3
" 28	14.5	" 6 A.M.	14.0
	14.3	" 6 P.M.	13.8
" 29	14.0	" 6 A.M.	13.5
	14.2	" 6 P.M.	14.3
" 30	14.6	" 6 A.M.	14.1
	14.3	" 6 P.M.	13.8
" 31	13.0	" 6 A.M.	12.5
	12.7	" 6 P.M.	12.2
Feb 1	12.4	" 6 A.M.	11.9
	12.2	" 6 P.M.	11.7
" 2	12.0	" 6 A.M.	11.5
	11.8	" 6 P.M.	11.3
" 3	11.5	" 7.45 A.M.	11.0
	11.5	" 5.15 P.M.	11.0
" 4	11.3	" 7.30 A.M.	10.8
	11.3	" 5.45 P.M.	10.8

0138

Back Water

Gage opposite T 1158

1909	Elev.		Time	
Jan 12	3.8 ft	at	830	A.M.
	1.9	"	1230	M.
	1.4	"	5.-	P.M.
" 13	3.4	"	1130	A.M.
	1.6	"	3-	P.M.
" 14	1.8	"	7-	A.M.
	4.3	"	12 35	M.
" 15	5.5	"	730	A.M.
	6.0	"	930	A.M.
	6.4	"	12-	M.
	7.4	"	330	P.M.
	7.8	"	630	P.M.
" 16	9.2	"	730	A.M.
	9.4	"	930	A.M.
	9.6	"	12 00	M.
	9.8	"	330	P.M.
	10.00	"	630	P.M.
" 17	10.6	"	830	A.M.
	10.9	"	6 00	P.M.
" 18	10.8	"	7.30	A.M.
	10.7	"	1.-	P.M.

Set from Sacramento Southern Elev

1909	Elev			
Jan 19	10.2	at	6 A.M.	
" "	10.1	"	12 M.	
" "	10.0	"	6. P.M.	
" 20	9.4	"	6. A.M.	
" 20	9.0	"	12. M.	
	9.0	"	6. P.M.	
" 21	9.0	"	6 A.M.	
	9.0	"	12 M.	
	9.3	"	6. P.M.	
" 22	10.5	"	6 A.M.	
	10.4	"	12 M	
	10.7	"	6.- P.M.	
" 23	10.9	"	6. A.M.	
	10.9	"	12. M	
	10.9	"	4 P.M	
	11.0	"	6. P.M	Highest
	10.9	"	12 P.M	
" 24	10.9	"	6 A.M.	
	10.8	"	7 P.M.	
	10.6	"	10 A.M.	
	10.6	"	12. M	

0139

Back Water

Page opposite T 1158

	Elev.	
Jan 24	10.4	at 4. P.M.
	10.4	" 12. AM.
" 25	10.4	" 6 AM.
	10.3	" 8 A.M.
	10.00	" 10. A.M.
	9.5	6. P.M.
" 26	9.5	6. AM
	9.5	12. M.
	9.3	6. P.M.
" 27	8.8	6 A.M.
	8.7	12. M.
	8.5	6. P.M.
" 28	8.2	6.30 A.M.
	8.0	12. M.
	7.9	6. PM
" 29	7.6	6. A.M.
	7.5	12 M
	7.3	6. P.M.
" 30	7.0	6. A.M.
	6.8	12 M
	6.7	6 P.M.

continued from page 5.

Jan 31	6.6	at 6. A.M.
	6.6	" 12. M
	6.5	" 6. P.M.
Feb 1	6.6	" 6. AM.
	5.5	" 12. M.
	5.6	" 6. P.M.
Feb. 2	5.3	at 6. A.M.
	5.2	" 12 M.
	5.4	" 6. P.M.
" 3	5.2	" 8.15 A.M.
	5.3	" 4.45 P.M.
" 4	5.0	" 8. A.M.
	4.9	" 11.30 AM
	5.2	" 5.15 PM

0140

Back Water

Gauge opposite D 930.

Set from Sacramento Southern Ties

1909	Elev.	Time	
Jan 14	3.0'	at 3.00 P.M.	
" 15	7.8	" 3.30 P.M.	
" 16	9.7	" 4.00 P.M.	
" 17	11.0	" 9 AM	
	11.2	" 5 P.M.	Highest
" 18	11.0	" 12-M	
" 24	10.8	11 A.M.	
" 27	8.8	10 AM	

0141

High Water Elevations on Georgiana Slough

January 27 1929

Sta	B.S.	H.I.	F.S.	Elev.
B.N.	3.120	10.646		7.526
T.P.	4.730	9.890	5.486	5.160
T.P.	11.750	19.167	2.473	7.417
T.P.	10.010	27.910	1.967	17.900
B.N.	8.015	29.708	5.617	21.693
T.P.	6.850	29.008	7.550	22.158
T.P.	4.500	26.838	6.670	22.338
T.P.	9.450	28.588	7.700	19.138
			12.150	16.438
H.W. Elev.			12.419	16.171
T.P.	3.930	22.208	11.310	17.378
H.W. Elev.			6.30	16.008
T.P.	3.190	24.128	3.250	18.958
T.P.	5.720	23.728	4.220	19.908
T.P.	4.922	27.230	4.420	19.308
T.P.	3.996	20.896	9.330	17.000

B.N. 20 - 170' W T 11.97+48.7
E 1.428 + 45.5 A

On Gum Tree in front of Mrs Lords
a bolt about 4" from surface Elev 21.653

Elevation of high water mark flood of
March 1928 a nail driven in cotton wood
in front of Sparey Dyer's Walnut Grove
Elevation of stake set at water level
January 28 1929. by R.E. Defour.

Stake set in front of Dwyfords barn Jan 28 29
by R.E. Defour.

0142

High Water Elevations on Georgiana Slough

January 27th 1929

Sta	B.S.	H.I. 20.896	F.S.	Elev.
H.W. Elev			5.330	15.566
T.P.	6.050	25.364	1.582	19.314
T.P.	3.020	21.622	6.762	18.602
T.P.	3.600	20.262	4.960	16.662
H.W. Elev			5.250	15.012
B.M.	5.987	21.682	4.567	15.695
T.P.	4.745	20.853	5.574	16.108
T.P.	4.250	21.403	3.700	17.153
T.P.	4.130	20.277	5.256	16.147
T.P.	4.540	22.677	5.140	15.137
T.P.	3.155	20.803	5.030	17.648
T.P.	5.744	21.206	5.370	15.462
T.P.	5.690	21.976	4.910	16.296
T.P.	3.050	20.721	4.505	17.671
T.P.	4.200	20.921	4.000	16.721

A Stake set Jan 26, 1929 by H.E. Dufour 300' North of O.W. Clarke's brick house

A nail in stump in front of Bob Thisby's Jap house set by Bob Thisby Jan 26, 1929 - information from B. Thisby.

A nail in top of stump 60' in front of Bob Thisby's Jap House Elev. 15.695

0143

High Water Elevations on Georgiana Slough

January 21, 1909

Pt	B.S	H.I	F.S	Elev
		20.921		
B.M	7.380	21.341	6.960	13.961
H.W. Elev			8.110	13.231
T.P.	5.770	19.881	7.230	14.111
T.P.	4.252	19.365	4.768	15.113
T.P.	4.268	18.941	4.687	14.678
T.P.	4.972	20.468	3.450	15.494
T.P.	1.100	6.903	14.660	-5.503
T.P.	4.200	1.613	9.510	-2.607
T.P.	9.300	4.093	4.820	-5.207
T.P.	4.140	6.687	1.546	2.547
T.P.	12.516	18.396	0.527	5.869
B.M.	7.340	20.698	5.043	13.383
T.P.	5.067	20.020	5.720	14.953
T.P.	4.507	21.457	4.070	16.950
H.W. Elev			10.182	11.225
T.P.	2.960	20.268	3.549	17.908
T.P.	3.928	20.340	3.900	16.868

B.M. a hub driven even with ground at N.W. corner Mr Durbins barn - Elev. 13.961

H. gage set by Mr Durbin in front of his residence. hourly readings were taken and difference in elevations during flood were reported to weather bureau at SACRAMENTO - highest recorded 15.231 by See Survey Elevations on January 21, 1909 Information from Mr. Durbin.

B.M. - A hub at foot of Oak Tree on levee in front of Mr Hanson bunk house - Elev. 13.383

H. stake set opposite Hedins Island pump house from thresh and water marks left by flood Note - H. W. Elev was taken at this place in 1907

High Water Elevations on Georgiana Slough

January 21, 1909

Sta.	B.S.	H.I.	F.S.	Elev.
		20.340		
T.P.	4.483	19.777	5.046	15.294
T.P.	4.946	20.733	3.990	15.787
B.M.	6.950	19.618	8.065	12.668
T.P.	7.100	21.242	5.470	14.142
T.P.	3.800	20.175	4.673	16.575
T.P.	4.197	21.253	3.919	17.056
T.P.	5.570	19.563	5.270	13.993
T.P.	6.172	18.997	6.728	12.825
T.P.	4.296	18.003	5.290	13.707
T.P.	5.220	20.393	2.830	15.173
T.P.	4.850	19.453	7.790	12.603
T.P.	4.900	17.287	4.166	13.387
T.P.	3.560	16.591	4.256	13.031
T.P.	9.420	19.591	6.430	12.161
H.W. Elev.			10.349	9.242
B.M.			9.460	12.131

A tub driven down into ground at N.E. corner of shipping shed on bank of Georgiana Slough on The Lawrenson Estate

Note - This is in vicinity of where Sou. Southern R.R. crosses Georgiana Slough

A state set by taking general average of elevations obtained from drift and thrash left by flood opposite large Oak Tree with B.M. - A high water elevation was taken at this location in 1907.

On large oak tree, 8' in diameter - 30' from bank of Georgiana Slough. A B.M. was put on this tree by Cooper in 1906, but is now covered with about 5' of sand.

0145

Level to Obtain Elevations of Stakes Set at High Water Elevation on January 19, 1909.

St.	B.S.	H.I.	F.S.	Hod.	Elev.	
		Opposite E 1265 D 1049				Feb. 3, 1909
B.M.	7.790	24.697			17.207	Old "E" line B.M. 40' Rt 1265+30.
H.W. Elev.				7.452	17.245	# hub set January 19, 1909 by R.E. Dufour opposite E 1265 Note - a high water elevation was taken in this vicinity during flood March 1907.
		Opposite E 1357 T 1155				
B.M.	9.491	24.439			14.948	On Sycamore Tree 65' Rt 1353+50
				7.482	16.957	# hub set January 19, 1909 - by R.E. Dufour opposite E 1357. by R.E. Dufour
		Opposite E 1397 T 1176				
B.M.	8.601	21.840			13.239	On Oak Tree 65' Rt 1397+20
H.W. Elev.				5.084	16.756	# hub set January 19, 1909 by R.E. Dufour opposite E 1397

0146

Levels to Obtain Elevation of Stakes set at High Water Elevation

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		Opposite		E 1198 / II 1060		
B.M	8.42	25.369			16.949	On Walnut Stump 20' R E 1193
				8.002	17.367	# stake set January 19, 1909 by R.E. Dufour.
				7.863	17.506	# nail in large sycamore tree in front of Mrs Sol Dupon High Water Mark of March 1907
		Opposite		II 940+50 / E 1198		
B.M	7.641	25.256			17.615	B.M. #35 on stump 50' R + 1150
T.P	7.526	26.352	6.430		18.826	
T.P	6.843	25.893	7.362		19.050	
T.P	7.156	28.057	4.992		20.901	
				10.206	17.851	# stake set January 19, 1909 by R.E. Dufour. opposite steam boat slough Rt. II 940+50

0147

Level to obtain Elevations of Stakes Set at High Water Elevations con.—

Feb 4 1909

Pt.	B.S.	H.I.	F.S.	Rod	Elev	
B.M.	3.227	17.960			14.733	
T.P.	3.556	18.562	2.954		15.206	
T.P.	6.520	13.766	11.316		7.246	
B.M.	14.950	25.193	0.503		13.243	
T.P.	3.810	27.623	3.370		24.313	
T.P.	4.080	29.179	3.024		25.099	
T.P.	5.190	32.030	2.349		26.840	
T.P.	4.828	28.921	7.927		24.093	
T.P.	6.049	30.660	4.310		24.611	
T.P.	5.952	30.882	5.930		24.930	
T.P.	7.040	30.992	6.190		23.952	
H.W. Elev				11.310	19.682	
B.M.			8.300		22.692	

On telephone poles Knatlin Road

A hub on cross fence 50' from barn of church

Opposite E. 9

A stake set by P.E. Dufour January 19, 1909 in front of the Johnston Dairy barn 40' in front of the Johnston Dairy barn a nail in Walnut tree

continued from page 15

Sta	B.S.	H.I.	F.S.	Rod	Elev	
B.M	14.940	28.203			13.263	A hub on levee see page 15
T.P	4.652	29.5243331			24.872	
T.P	4.218	28.984	4.753		24.771	
H.W. Elev.				9.841	19.143	Opposite D.748 A stake set by R.E. Dufour January 19, 1909 - 100' N.W of Gammons Warehouse.
T.P	3.490	25.2456	6.169		22.815	
T.P	7.740	30.207	2.778		22.467	
B.M	3.126	29.099	3.234		26.973	A nail in large White Oak Tree in front of E. Gammons Warehouse
T.P.	3.040	27.669	4.430		24.669	
T.P	4.231	27.533	3.367		23.302	
T.P.	2.896	25.299	4.530		22.403	
T.P	3.871	21.025	7.946		17.154	
T.P	4.470	20.743	4.752		16.273	
T.P.	4.168	21.040	3.871		16.872	
H.W. Elev.				2.940	18.100	A STAKE set January 19, 1909 by R.E. Dufour at property line between Hollisters and Ralston. A hub driven at base of fence post corner of Hollisters, Ralstons and county road. Elev. 19.791
B.M.			1.249		19.791	

0149

Levels to connect High Water Elevation with Gage at Courtland

Sta	B.S	H.I	F.S.	Bad	Elev
Gage B.M.	0.472	24.972			24.5
T.P	7.771	29.513	3.230		21.742
H.W Elev				7.452	22.061
	Correction				3.770
	Sea South. Elev				18.291

Feb 4 1909

Top of gage elevation 24.5

A STAKE Set JANUARY 19, 1909 by R.E. Dufour opposite Rt. II 800+50

Highest gage reading reported by Joe Fisher 22.0

Sa Ito R 15.2 Rt E 1800+00 Jan 20 1909
" 15.2 R+E 1846+50 " " "

R. E. Dufour

0150

Gauge Reading of Back Water of Mokelumne River. 1911.

Date	Elevation of Water at Station "D" 885	"D" 1013	"T" 1158	"D" 743	"D" 845	"E" 483	Mouth of Snodgrass Slough.	Elevation taken 150 ft. below Pump House of Reclam. Dist. No. 554	"T" 1109+	Elevation taken 600 ft. below Site of Drew Bridge "T" 1109+	Gauge opp. "D" 841+		Remarks
Jan. 31	12^{0}	12^{0}	11^{8}			12^{3}							rising slowly
Feb. 1	14^{2}			14^{27}	14^{25}	13^{7}					14^{65}		
" 2								12^{9}			14^{2}		
" 3							10^{98}	12^{0}	10^{88}	10^{76}	13^{7}		
" 4											12^{6}		
" 5											11^{4}		

B.M. Elev. 14^{923} check on white bolt on S.E. corner of bridge marked U.S. 14^{0} No. 87
B.M. Elev. 11^{772} Set on S. side of Oil house for Pump House of District #554
B.M. Elev. 13^{997} A hub on levee 200 ft. South of District #554 Pump House

0151

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

0152